Dear Retrocycle user:

Thank you for your interest in our products. The units shown here for immediate delivery are our memory boards although other products are in various stages of development.

The memory board is a 4 MHz implementation with simple, direct decoding to avoid the normal Z-80 addressing range of 0-32 or 0-64 kilobytes. Each of these banks may be switched in or out separately and may be controlled by one of the boards 5 software selectable CPU devices at your option. These devices include:

1) RAM

RAMs are memory devices which can be read from or written to at any time. The "CMOS" type RAMs will retain their contents during a power failure if a battery is provided to maintain their power. Several manufacturers have offered these units and some similar houses have worked on sale.

2) ROM

ROMs are factory programmed chips similar to the ones available. They retain their contents at all times and are not alterable by the user.

3) EPROM

EPROMs are similar to ROMs but can be erased by ultraviolet light and reprogrammed with a special machine. (See Ordering Instructions.)

4) EEPROM

These are electrically erasable devices that may be reprogrammed without special equipment, although a long write cycle is required for reprogramming. They operate at normal speeds and can be used in machine to machine program replacement. They do not require patterns to remember. CAUTION: Some BBRAMs need a separate programming voltage and are not suitable for this board.

Any of these devices may be used in any socket at any time.

This board includes a standard 50 pin edge connector for further expansion.

Compatible Retrocycles

1) EPROM Programmer

This is a board for Programming 2k, 4k, and 8K EPROMs. EPROM type is software selected, including a 21V/25V switch. The programmer may reside on any 8K increment and may be partially reprogrammed. A short BASIC program is included for operation. EPROM may be operated normally from the programmer.

2) IEC Controller

(Includes 2 Parallel Ports, Parallel I/O port for printer/keyboard, 2 serial ports including modem control, 2 more parallel ports and 2 SCSI/ESDI connectors. A 2K EPROM will be included for those who have no need for the BASIC. The Bus BASIC I.5 extended CP/M compatible EPROM will also be available.)

Memory board $210.95: includes 4K RAM for immediate use. Requires 5 Volt regulated power supply (not included).

Expansion EPROM $19.95: includes 2K RAM.

Other pieces to be announced as products are released.

Contact:

S & L Enterprises

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Northlake IL 60164

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THIS LETTER WAS SENT OUT AS OUR FIRST MAILING TO THOSE WHO RESPONDED TO OUR AD. THE EXPANSION EPROM ISN'T QUITE FINISHED, BUT THE THEORY IS SOUND. THE STRING COMMANDS INCLUDE PRINT, INPUT, ASSIGN, COMPARE; THE CLOCK/ALARM COMMANDS ARE SET AND DISPLAY; USER EXPANSION TO EVEN GREATER HEIGHTS IS INCLUDED (WE WILL ALWAYS LEAVE PLACES TO HOOK THINGS IN - WE DON'T WANT PEOPLE "LOCKED IN" TO ONE SYSTEM.)

WHAT WE ALL REALLY NEED IS DISC. WE HAVE A CONCEPT THE WE KNOW WE CAN MAKE WORK, BUT I'M NOT HAPPY WITH THE COST. CP/M WOULD BE NICE, BUT I HEARD THAT IT REQUIRES RAM AT 0K AND THAT PRESENTS A SERIOUS PROBLEM. DO WE REALLY NEED 8" DOUBLE-SIDED DOUBLE-DENSITY? ARE 5¼" DISCS GOOD ENOUGH? SINCE THIS MACHINE SEEMS TO BE BEST FOR GAMES, WOULD THE NEW 3" DISCS (IN PLASTIC SLEEVES - POCKET SIZE) BE ENOUGH? IF WE GO 8" DSDD THE OTHERS WILL WORK AS WELL. THE QUESTION IS: HOW MUCH DOES THE AVERAGE PERSON WANT TO SPEND? ALSO, WILL HI-RES (PIGGYBACK) FINALLY ALLOW US TO GET A DECENT TEXT EDITOR?

ANYBODY INTERESTED IN SOFTWARE FOR THE MX-70? THE ATTACHED LISTING WAS MADE USING THIS SOFTWARE; THE PROGRAM IS THE TEXT EDITOR USED TO MAKE THIS LETTER.

Paul

S & L
2901 Williams Dr.
Northlake IL
60164

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1000 Clear :Print "ENTER TEXT"
1010 Print "2" FORMAT TEXT
1020 Print "3" DISPLAY TEXT
1030 Print "4" PRINT TEXT
1040 Print "5" EDIT TEXT
1050 Print "6" TRANSFER EDIT TO DRIVE
1060 Print "7" QUICK
1070 On F Goto 1080,2000,3000,4000,5000,6000,7000
1080 STOP
2000 Clear :Print "ENTER":Input "<0> NEW> X> CONT"C
2005 P=12287:If C=0 P=5:Goto -10:X=X-(X>0)*127:Next B
2010 For B=0To  10
2020 Con CH,C,C,3,5,6
2030 B=PEEK(C):C=C+(A<90):T=P-12288*(P>80)
2035 If NEW>C:E=0:Run
2040 X=X+(X=0 Or X>(B+8)/(F+3)):If P<-12288Next B
2050 Goto 2000
3000 Clear :Print "FORMAT":Input "# OF COLUMNS"D
3005 Input "PARAGRAPH INDENT SPACES"I
3010 Input "(0) ORIGINAL, (1) EDITED"E
3015 M=0:S= 12287:P=20480:M=1:If E D=28672
3020 For A=0To 0Step 0
3025 L=1:If MFor L=LTo I:S(P)=32:P=P+1:Next L:M=0
3040 For L=LTo C:W=S(D)*127:D=D+1
3050 S(P)=W:P=P+1:If P>24576Print "FULL":STOP
3060 If W<>13Next L:Goto 3090
3070 If W=0Print M." LINES":Goto 4030
3080 N=INT(P/C):P=13:P=P+1:M=M+1:Next A
3090 For L=L To C:Next  L:P=P 1:If (S(P)*127)=32P=P-1:W=P-L
3100 N=M+1:S(P)=13:P=P+1:Next A
4000 Clear :Print "DISPLAY"
4010 For A=20480To 24576:W=S(A)*127
4020 If W <C+(W>90):T=W-32*(W>90):Next A
4030 Box CH,C,3,5,1:K=KEY:Run
5000 Clear :Print "PRINT":OPIO:OP10:M=1:L=0
5010 For A=20480To P
5020 W=S(A)*255
5025 If W=13W=10:L=L+1:If L>59Goto 5050
5030 If W OPW:Next A
5040 OP12:Run
5050 M=M+1:OP12:OP10
5060 For L=0To 37:OP32:Next L
5070 OP"("+OPM+48:OP")"+OP10
5080 OP10:OP10:L=2:Next A
6000 Clear :Print "EDIT"
6010 P= 12287:P=20672
6020 For A=0To 0S1ep 0
6025 If S(252164=0K=10:Goto 6060
6030 Box CH,C,3,5,5:K=KEY127
6040 If K=13W=31:P=P 1:Next A
6050 If K=8W=31:P=P 1:D=D-1:Next A
6060 If K<>WK=K:S(A)=K*255:D=D+1
6070 "CH"+W+":P=P+1:C=C+(K>90):T=K-32*(K>90)
6080 If K=0 I=I+127Next A
6090 Run
7000 Clear :Print "TRANSFER"
7010 For A=0To 40959Step 2:X=A-12287:S(A+20672)=X(INT(X/256)):Next A:Run
```

BLUE RAM BASIC 1.1
ALL AVAILABLE SPACE FILLED WITH RAM.
PROGRAM AREA -32768 to -12288
PROGRAM SIZE 1368 BYTES

↑ AND
↓ OR

"OP" SENDS A BYTE TO THE PRINTER. IT IS A USER-SPECIFIED HOOK AND WILL CRASH IF THE SOFTWARE ISN'T THERE.

CHANGE TO TV AND USE :PRINT (200) WITH [redacted] SERIAL PRINTER